



User Manual

imagination at work

GE Digital Camera

Power Pro Series : X400



Getting Started

Basic Operation

Camera Function Controls

Playback

Using the Menus

Camera Connectivity

Appendix

EN

WARNING

To prevent fire hazard or electrical shock, do not expose the camera battery pack or other accessories to water or humidity.

For Customers in the U.S.A.

Tested to Comply with FCC Standards
FOR HOME OR OFFICE USE

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For Customers in Europe

 "CE" mark indicates that this product complies with the European requirements for safety, health, environment and customer protection. "CE" marked cameras are intended for sales in Europe.



This symbol [crossed-out wheeled bin WEEE Annex IV] indicates separate collection of electrical waste and electronic equipment in the European countries. Please do not throw the equipment into domestic refuse. Please use the return and collection systems available in your country for proper safe disposal of this product.

Declaration of Conformity

Model Name: X400

Trade Name: GE

Responsible Party: General Imaging Company

Address: 1411 W. 190th Street, Suite 550, Gardena, CA 90248, U.S.A.

Customer Service Telephone Number: +1-800-730-6597

(Outside U.S. & Canada: +1-310-755-6857)

SAFETY PRECAUTIONS

Camera Notes:

- Do not store or use the camera in the following types of locations:
 - In rain, very humid and dusty places.
 - In a place where the camera can be exposed directly to sunlight or subject to high temperature, e.g. Inside a closed car in summer.
 - In a place where the camera is subject to a high magnetic field, e.g. near motors, transformers or magnets.
- Do not place the camera on a wet surface or in places where dripping water or sand may come in contact with the camera; doing so may cause irreparable damage.
- If the camera will not be used for a long period of time, we suggest you remove the batteries and the memory card from the camera and keep them in dry environment.
- Moisture may form inside the camera if the camera is suddenly brought from a cold location to a warm location. Allow moisture to completely dry prior to turning on camera.
- If water has penetrated the camera housing, turn off the camera and remove the battery and memory card. Allow the camera to air-dry for at least 24 hours before using again.
- If camera overheats, while in use or charging, disconnect the charger and carefully remove batteries.

Battery Notes:

- Incorrect use of the batteries may cause them to leak, become hot, ignite or burst. Always observe the precautions given below:
 - Do not expose the batteries to water and take particular care to keep the terminals dry

- Do not heat the batteries or throw them into a fire
- Do not attempt to deform, disassemble or modify the batteries

- Keep the batteries out of reach of babies and small children. In cold locations, battery performance will deteriorate and the life span of the battery may be compromised.

Memory Card Notes:

- When using a new or used SD memory card, or a SD memory card that has been initialized by a PC or a different model camera, be sure to reformat the card with your digital camera before using it.
- When editing image data, copy the image data to the PC's hard disk first.
- Do not change or delete the folder or file names on the SD memory card from your PC. This may cause a memory card read error to occur when viewing photos on the memory card from the playback mode in your camera.
- The photos taken by this camera are stored in the auto-generated folder on the SD memory card. Do not store photos that are not taken by this model camera, as this may cause a read error to occur when the camera is in playback mode.
- Do not expose the camera to harsh environments such as moisture or extreme temperatures, which may shorten the life of your camera or damage the batteries.
- Do not remove the memory card without turning the camera off to avoid possible damage of your memory card.
- Do not switch off the digital camera when a writing process is in process to avoid incomplete data writing and damaged or loss of pictures.
- Align the SD memory card correctly before inserting it into the camera's SD memory card slot. Do not force the SD memory card into the camera's SD memory card slot.

BEFORE YOU START

Preface

Thank you for purchasing this GE digital camera. Please read this manual carefully and keep it in a safe place for future reference.

Copyright

© Copyright 2012 General Imaging Company. All rights reserved.

No part of this published manual may be reproduced, transmitted, transcribed, stored in a retrieval system or translated into any language or computer language, in any form, by any means, without the prior written permission of General Imaging Company.

Trademarks

All trademarks mentioned in this manual are used for identification purposes only and are properties of their respective owners.

Safety Information

Please read the following important information carefully before using this product.

- Do not take apart or attempt to service the camera yourself.
- Do not drop or knock the camera. Improper handling may damage the product.
- Turn the camera off before inserting or removing the battery and memory card.
- Do not touch or scratch the camera lens.
- Do not expose the camera to harsh environments such as moisture, chemicals or extreme temperatures, which may shorten the life of your camera or damage the batteries.
- Do not use or store the camera in dusty, dirty or sandy areas, as the camera or components may be damaged.
- Do not expose the lens to direct sunlight for extended periods of time.
- Download all pictures and remove the batteries from the camera if you are going to store the camera for long periods of time.

- Do not use abrasive cleansers, alcohol-based or solvent-based cleaners to clean the camera. To clean, wipe the camera with a slightly damp, soft cloth.
- If water has penetrated the camera housing, turn the camera off and remove the battery and SD memory card. Allow camera to air-dry for at least 24 hours before using again.
- Do not touch the lens.
- Do not place the camera strap around a child or pet's neck.
- When coming in from a cold environment to warm environment, avoid possible condensation by placing the camera in a cooler area and let it slowly adjust to room temperature.
- Always place the camera on a vibration-free surface.

About this Manual

This manual provides you with instructions on how to use your new GE digital camera. Every effort has been made to ensure that the contents of this manual are accurate, however General Imaging Company reserves the right to make changes without notice.

Symbols used in this manual

Throughout this manual, the following symbols are used to help you locate information quickly and easily:



Indicates useful information.



Indicates precautions to be taken while operating the camera.

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GETTING READY

Unpacking

Your camera box should contain the camera model you purchased along with the following items. If anything is missing or appears to be damaged, please contact your retailer.



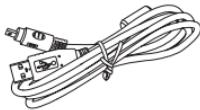
AA-Size Alkaline Batteries



Warranty Card



CD-ROM



USB Cable



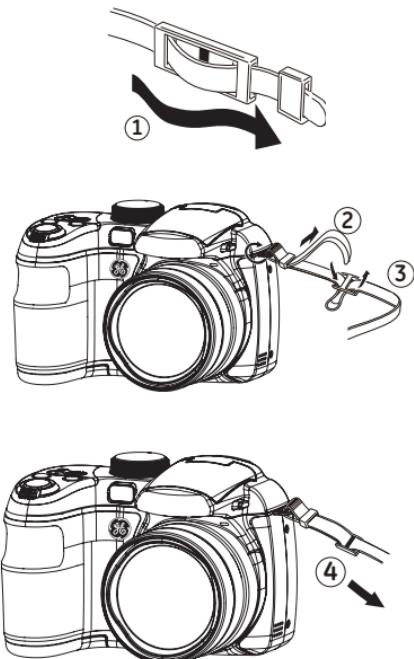
Lens Cap



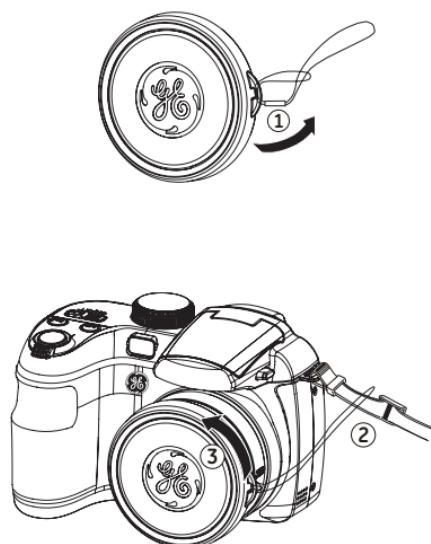
Shoulder Strap

Installing Shoulder Strap and Lens Cap

To Install Shoulder Strap

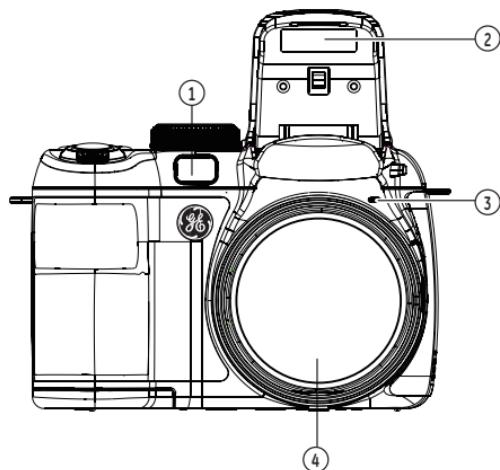


To Install Lens Cap

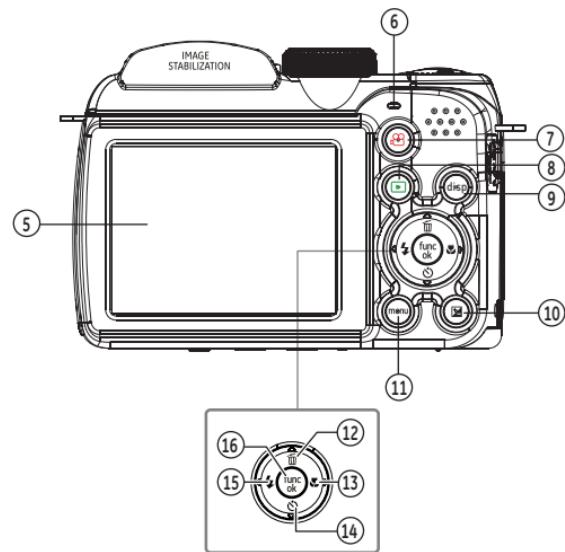


Camera Views

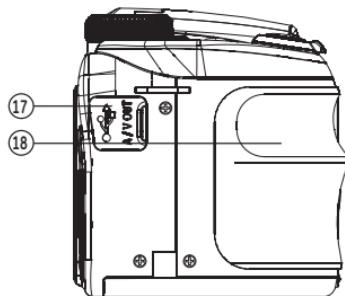
Front View



Back View



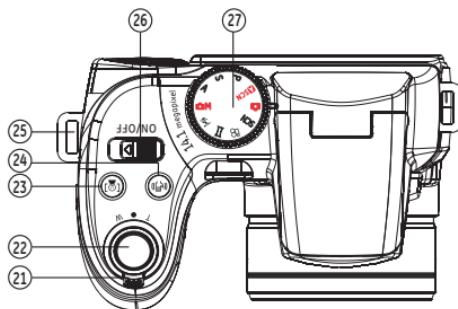
Left View



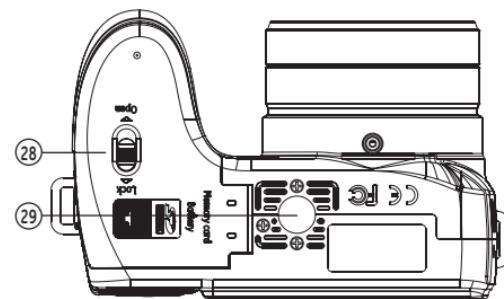
Right View



Top View



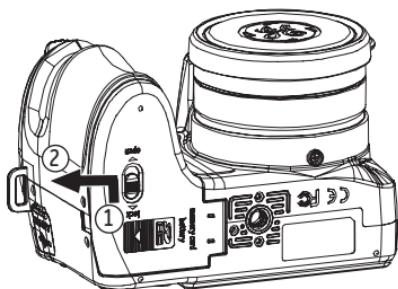
Bottom View



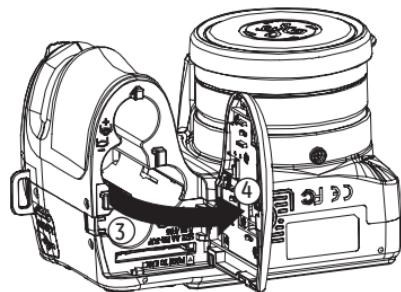
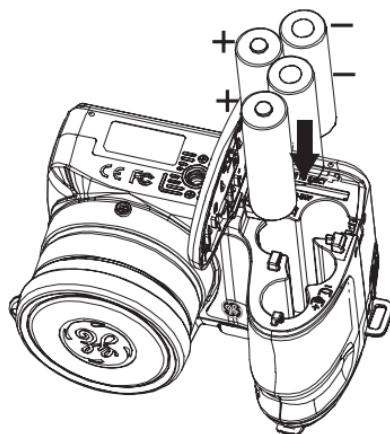
1	AF Assist/Timer Indicator	11	Menu Button	21	Zoom Wheel
2	Flash Lamp	12	Delete Button/Up Button	22	Shutter Button
3	Microphone	13	Macro Button/Right Button	23	Face Identification Button
4	Lens	14	Self-timer Button/Down Button	24	Stabilization Button
5	LCD Screen	15	Flash Button/Left Button	25	Shoulder Strap Mount
6	Status Indicator	16	OK Button	26	ON / OFF
7	Movie Button	17	USB/AV Port	27	Mode Dial
8	Playback Button	18	Handle	28	Card Slot/Battery Compartment
9	DISP	19	Flash On Button	29	Tripod Socket
10	Exposure Compensation Button	20	Speaker		

Insert the Battery and SD/SDHC Card (Not included)

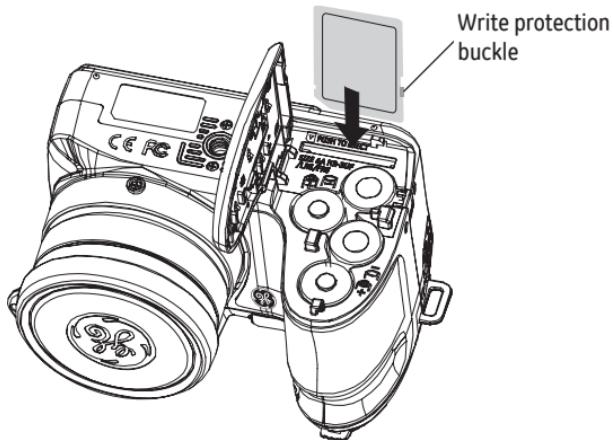
1. Open the battery compartment



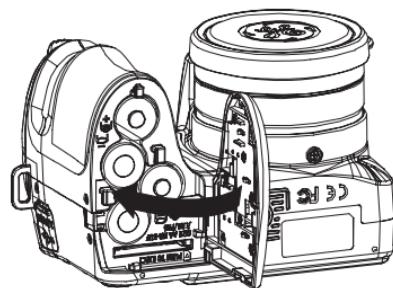
2. Insert the enclosed AA batteries into the battery slot according to the correct polarity as shown below



3. Insert an SD/SDHC card (not included) into the SD memory card slot as shown

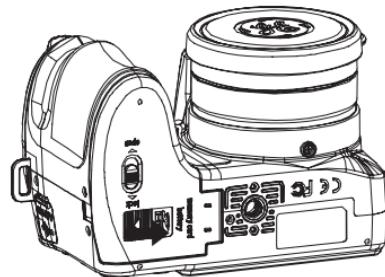


4. Close the battery compartment



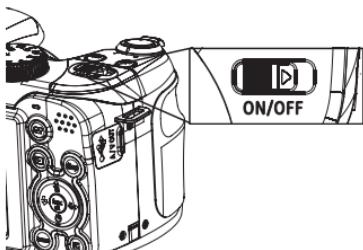
 Optional SD/SDHC cards are not included. The use of 64MB to 16 GB memory cards from recognized manufacturers such as, Panasonic and Toshiba are recommended for reliable data storage.

 To remove the SD/SDHC card, open the battery compartment and gently push the card to release it. Remove the card out carefully.



Turning Camera On and Off

Push ON/OFF to turn camera on/off



After the camera is powered on, set the camera to Auto mode by turning the Mode Dial at the top of the camera (see page 16).

Setting Language and Date/Time

When turning on the camera for the first time, the Display Language and Date/Time Setup menu will appear. Use the following procedures to set the camera Language, Date/Time to your preferences:

1. Push ON/OFF to turn the camera on.
2. Press Up/Down/Left/Right button to select the settings
3. Press the button to confirm the settings

Set Display Language

1. Press the button and the Left/Right button and select the General Setup menu.
2. Use the Up/Down button and scroll down to desired language. Then press the Right button to access the language options
3. Use the Up/Down/Left/Right buttons to select the desired language
4. Press the button to confirm the setting



2. Use the Left/Right button to select date or time field, then press Up/Down buttons to adjust values.
3. Press the  button to confirm the settings.



Set Date/Time

1. Press the  button and use the Left/Right button to select the General Setup menu. Scroll down to Date/Time option and press the  button to enter the Date/Time menu.

Using the Mode Dial

This GE camera provides a convenient mode dial that allows you to manually switch between different modes with ease. All the available modes are listed below:

Mode Name	Icon	Description
Auto Mode		Take still pictures in automatic mode
ASCN Mode		The camera automatically selects the best scene type for still pictures
Program AE		Setting allows you to choose the EV value and the camera will select both the shutter speed and aperture automatically
Shutter Priority		Setting allows you to choose a specific shutter speed while the camera will adjust the aperture automatically to ensure correct exposure
Aperture Priority		Allows you to choose a specific aperture and the camera will automatically adjust the shutter speed to match it
Manual Mode		Many of the camera settings can be configured manually in this mode
Portrait		Portrait pictures under normal conditions
Panorama Mode		Capture a sequence of shots and automatically stitch them together into a panoramic photo
Movie Mode		Record videos
Scene Mode	SCN	Choose from 20 different pre-set scene types and effects for your photos

About the LCD Screen

When you turn the camera on, various icons are shown on the LCD screen to indicate the current camera settings and status. To learn more about the displayed icons, see "LCD Screen display" on page 30.

LCD Screen Notes:

Extremely high-precision technology has been used to manufacture the LCD screen so that most of the pixels are operational. On occasion, there may be some minute points (black, white, red, blue or green) that constantly appear on the LCD screen. These points are normal in the manufacturing process and the recording is not affected in any way.



Avoid exposing the LCD screen to water; remove any moisture on the LCD screen with a soft, dry cleaning cloth.



If the LCD monitor is damaged, take particular care with the liquid crystal in the monitor. If any of the following situations arise, take the recommended immediate action indicated below:

- If liquid from inside the LCD screen comes in contact with your skin, wipe the area with a clean cloth and then wash thoroughly with soap and running water.
- If liquid from inside the LCD screen gets into your eye, flush the affected eye with clean water for at least 15 minutes and then seek medical assistance immediately.
- If the liquid crystal display or the liquid inside it are swallowed, flush your mouth thoroughly with water. Drink large quantities of water and induce vomiting. Then seek medical assistance immediately.

Using Quick Record

In Shooting mode, press the Recording Shortcut button  to enter the recording mode directly and begin video recording.



After recording, press the Recording shortcut button or Shutter button again and you can store the video and return to the shooting screen.

BASIC OPERATION

Shooting in Auto Mode

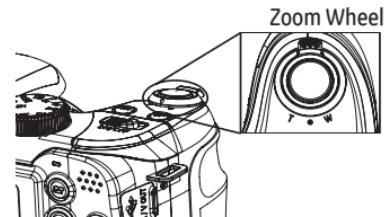
Auto mode is the easiest mode to take photos. While operating in this mode, the camera automatically optimizes camera settings to adjust your photos for best results.

To start shooting, do the following:

1. Push ON/OFF to turn the camera on.
2. Switch the Mode dial to **Auto Mode** ().
3. Compose your picture in the LCD screen and press the Shutter button halfway to focus on the subject.
4. The LCD screen will show a green focus frame after the subject is in focus.
5. Press the Shutter button down fully to capture the image.

Using the Zoom Function

Your camera is equipped with two types of zoom functions: optical zoom and digital zoom. Press the Zoom button of the camera to zoom in or out of the subject while taking pictures.



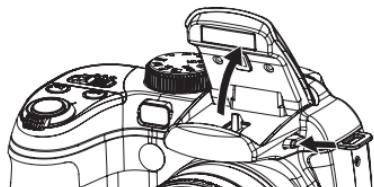
Zoom indicator (See "Digital Zoom" on page 50)

When the optical zoom reaches its maximum value, release the Zoom button and then press it again for the digital zoom to begin. The zoom indicator is hidden after the Zoom button is released. The screen shows () for the current zoom status.

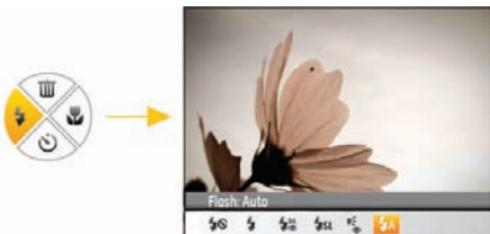
Open Flash

The flash is used to illuminate a subject in low light or for fill-in lighting to achieve better illumination of a subject with pronounced shadows.

1. To turn on the flash, press the flash  button.



2. Press the left button to enter the flash Functions menu.



3. Press the Left/Right button to select from the following 6 modes:

-  Flash: Forced off
Flash is turned off.
-  Flash: Forced Flash
The flash will fire with each shot even if there is enough available light to take the photo without flash.
-  Flash: Red-Eye + Slow Synchro
Using this mode for slow synchro shots with red-eye reduction.
-  Flash: Slow Synchro
This allows for night scenery photos that include people in the foreground. The use of a tripod is recommended when shooting with this setting.
-  Flash: Red-eye reduction
The camera emits a brief flash before the picture is taken to reduce red-eye effects.
-  Flash: Auto
Camera flash goes off automatically based on existing light conditions.

4. Press the  button to confirm the settings and exit the option.

Self-Timer

This setting allows you to set the camera for self portraits or group shots. The timer can be set to fire the shutter 2 seconds, or 10 seconds after the shutter button is pressed.

1. Press the Down button to enter the Self-Timer menu.



2. Press the Left/Right button to select the following three modes:

-  Self-timer: Off
Disables the self-timer.

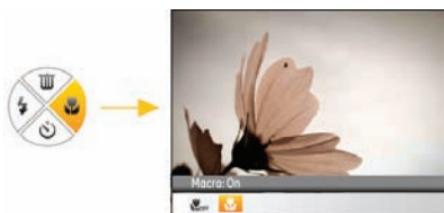
-  Self-timer: 2 sec
A single picture is shot 2 seconds after the Shutter button is pressed.
-  Self-timer: 10 sec
A single picture is shot 10 seconds after the Shutter button is pressed.

3. Press the  button to confirm the settings and exit the menu.

Macro Mode

The Macro setting is ideal for shooting small objects or close-up photos. This mode allows you to focus on subjects very close to the camera.

1. Press the Right button to enter the Macro menu.



2. Press the Left/Right button to select the following two modes:

-  OFF Macro: Off
Select this option to disable Macro.
-  Macro: On
Select this to focus on subjects 5cm from the lens.

3. Press the  button to confirm the settings and exit the menu.

EV (Exposure Value)

The EV control allows for an override of the camera's auto exposure settings in order to provide more control in tricky lighting conditions. This will allow you to lighten or darken the exposure to your preference.

1. Press the  button to enter the exposure settings screen.

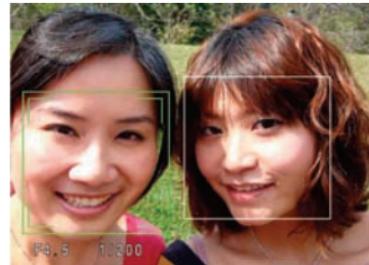
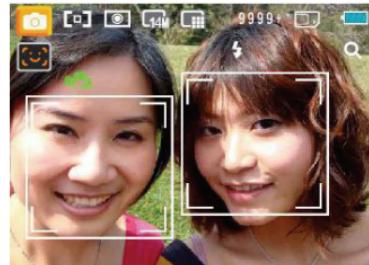


2. Press the Up/Down button to adjust the exposure value of the image ranging between EV -2.0 to EV+2.0.

Face Detection

The face detection mode detects people's faces and focuses on them resulting in clearer images. Face detection is engaged by default in most modes unless it is disabled by the user. Face detection is disabled in Panorama Mode.

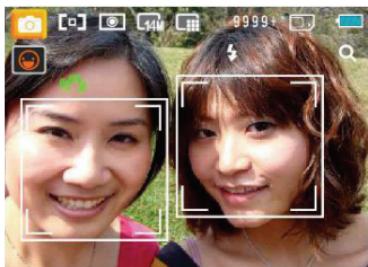
1. When the face detection feature is enabled it will display a frame around detected faces in the camera's field of view.
2. Press the **Shutter button** halfway to focus on the subject.
3. Press the **Shutter button** fully to capture the image.
4. Use the Face Detection button to disable this function.



Smile Detection

The Smile Detection feature automatically detects and captures a person's smile.

1. In shooting mode, Press the Smile Detection button until the Icon  appears on the LCD screen.
2. Point the camera at the subject, and press the Shutter button half way to focus.
3. Press the Shutter button all the way to capture the image, the camera will automatically release the shutter when it detects a smile.



Blink Detection

Blink Detection is enabled by default unless disabled by the user. When shooting, if a subject is detected with its eyes closed, the Blink Detection icon  will appear on the screen to show that a blink was detected.



4. Use the Smile Detection button to disable this function.

Stabilization

While in Shooting mode, press the  button to reduce blurred images caused by inadvertent hand shake. The LCD will display either the Continuous or Single stabilization icon.



Advanced Functions Menu

The Advanced Functions Menu of the camera include Image Size, Image Quality, White Balance, Image Color and ISO value. These functions allow advanced users better control for shooting under difficult lighting conditions.

To set the Advanced Functions:

1. Pull up the Advanced Function Menus by pressing the  button.



2. Press Down button to enter the advanced function selection screen, press the Left/Right button to select the function that you want to set.
3. Press the Up button to enter the advanced function setting interface.



4. Use the Left/Right buttons to change the settings and then press  to confirm the new settings and close this Advanced Function Menu.

Size

The size setting refers to the image resolution in pixels. A higher image resolution allows you to print that image in larger sizes without degrading the image quality.



Quality

The camera's quality setting adjusts the compression ratio of the images. Higher quality settings produce better quality photos, but will take up more memory space.



There are three options for picture quality:

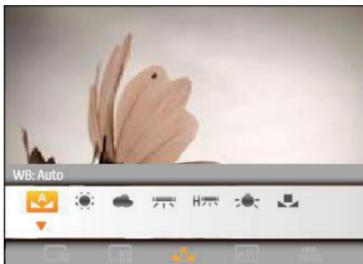
- Quality: Best
- Quality: Fine
- Quality: Normal



The bigger the number of recorded pixels is, the better the image quality becomes. As the number of recorded pixels becomes smaller, you will be able to record more images on a memory card.

WB (White Balance)

The White Balance allows you to adjust the color temperature for different lighting sources to ensure accurate color reproduction.



The options for White Balance include:

- WB: Auto
- WB: Daylight
- WB: Cloudy
- WB: Fluorescent
- WB: Fluorescent CWF (cool white fluorescent)
- WB: Incandescent
- WB: Manual (Press the Shutter button to detect WB)

Color

The color setting allows you to add artistic color effects when taking pictures. You can try different color tones to alter the mood of your pictures.



The color options include:

- Color: Auto
- Color: Vivid
- Color: Black & White
- Color: Sepia

ISO

The ISO function allows you to set the sensitivity of the camera's light sensor based on the brightness of the scene. To improve the camera's sensor performance in darker environments, a higher ISO value is required. A lower ISO value is needed when shooting in bright conditions.

Pictures at higher ISO will generally have more noise than those at lower ISO.



The camera's ISO settings include automatic, 80, 100, 200, 400, 800, 1600(4M) and 3200(4M).



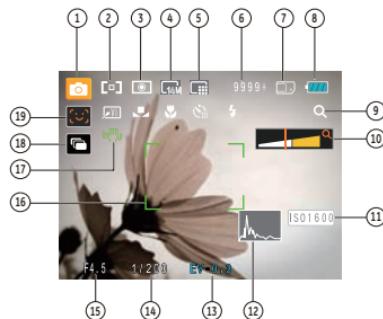
The available ISO values vary on different camera models.

USING THE MODES

LCD Screen Display

Still Picture Mode Display

Mode:        



1 Shooting Mode Icons

	Auto Mode		ASCN Mode
	Program AE		Shutter Priority
	Aperture Priority		Manual Mode
	Portrait		Panorama Mode
	Scene Mode		

2 AF Mode

	Single-AF
	Multi-AF

3 Expo Metering

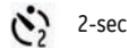
	Spot
	Center
	AiAE

4 Image Size

5 Image Quality

- 6 Remaining number of pictures
- 7 SD Memory card/built-in memory
- 8 Battery Status
- 9 WT Ratio (Displayed only when zoom is activated)
- 10 Zoom
- 11 ISO Value (Adjustable only in **M, P, S, and A modes**)
- 12 Histogram
- 13 Exposure Compensation (EV value)
- 14 Shutter Speed
- 15 Aperture Value
- 16 Focus Frame
- 17 Stabilization
- 18 Continuous Shot
- 19 Face Detection
- 20 Picture Color
(Adjustable only in **M, P, S, and A modes**)
- 21 White Balance
(Adjustable only in **M, P, S, and A modes**)
- 22 Macro Mode

23 Self-Timer

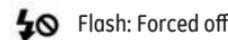


2-sec



10-sec

24 Flash Mode



Flash: Forced off



Flash: Forced flash



Flash: Red-Eye + Slow Synchro



Flash: Slow Synchro



Flash: Red-eye reduction



Flash: Auto

Video Shooting Mode Display

Mode : 



1 Video Mode Icon

2 Continuous AF

3 Metering

 Spot

 Center

 AiAE

4 Video Quality

5 Macro Mode

6 Self-Timer



7 Remaining time for video recording

8 SD Memory Card/Built-in Memory

9 Battery Status

10 Zoom

11 Zoom Value Scale (Displayed only when zoom is activated)

12 Image Stabilization

13 Recording Status Icon

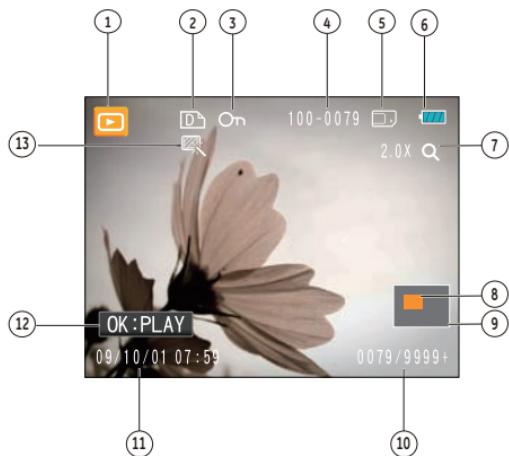


 For optimal video shooting, it is recommended that an SD memory card be used. If you shoot video using only the internal memory the results may have image jitter, noise and short recording times.

 While shooting, both optical zoom and up to 6x digital zoom are available.

Playback Mode Display

Mode: 



- 1 Playback Mode Icon
- 2 DPOF File
- 3 File Protection
- 4 Picture Number
- 5 SD Memory Card/Built-in Memory
- 6 Battery Status
- 7 Image Zoom
- 8 Zoom Magnification Area
- 9 Current Display Area
- 10 Memory Space (this picture/total number of pictures)
- 11 Recording Date and Time
- 12 OK:PLAY
- 13 HDR

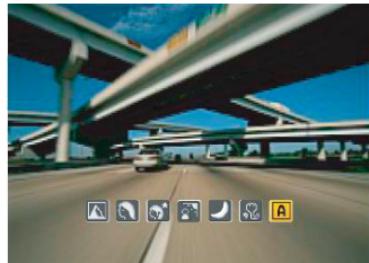
Auto Scene Mode (ASCN)

In the "ASCN" mode, different recording conditions are detected intelligently and the most suitable settings will be automatically selected.

Icon	Mode name	Icon	Mode name
	Landscape Mode		Night Landscape Mode
	Portrait Mode		Macro Mode
	Night Portrait		Auto Mode
	Backlit Portrait		

To use "ASCN":

1. Turn the mode dial to "ASCN", The LCD screen will display the following icons.



2. Hold the camera steadily and aim at the subject. The optimum scene mode will be selected automatically.
3. Press the Shutter button halfway down to focus.
4. Press the Shutter button all the way down to take the picture.

Landscape Mode

For landscapes, ASCN will automatically adjust the exposure and reproduce vivid green and blue colors.

Portrait Mode

For portraits, ASCN will automatically adjust the exposure and skin tones to produce natural looking photos.

Night Portrait

When taking portraits at night, or in low light conditions, ASCN will automatically adjust the exposure for people and night scenes.

Backlit Portrait

When the sun or any other light source is behind you, ASCN will automatically adjust the foreground exposure to produce the best pictures possible.

Night Landscape Mode

For night scenes, ASCN will automatically increase the ISO value to compensate for low light.

Macro Mode

To produce more detailed close-ups, ASCN will automatically engage the camera's Macro mode and automatically focus the lens.

Auto Mode

The camera will automatically adjust the exposure and focus to ensure the best possible pictures.

Panorama

Panorama Mode allows you to create a panoramic picture. The camera will automatically compose a panoramic picture using the individual shots that you take.

Follow these easy steps to create a panoramic picture:

1. Turn the mode dial to the Panorama Mode.
2. Use the Left/Right buttons to specify the direction of the photo sequence. If nothing is chosen, in 2 seconds the panoramic sequence will commence at the default direction of left to right.
3. Compose the first view of the panoramic picture on the LCD screen and press the Shutter button to capture the image.
4. After the first shot is taken, two target icons will appear on the left and right side of the LCD screen. Pan the camera and the circle icon on the screen will move towards the square frame icon. When the circle icon and square frame overlap and turn green, the camera will automatically capture the next image. Repeat this step for the third picture in the series.



Manual Scene Mode (SCN)

In **Manual Scene mode**, you can select from a total of 20 scene types to suit your needs. The camera will automatically adjust to the optimal settings based on the scene type that is chosen.

To enter the **Scene Mode**, turn the mode dial to **Manual Scene mode**. The **Scene Mode** menu will appear.

 Flash Mode, Self-timer, Macro Mode, and Exposure Compensation are disabled in Panorama Mode.

 In the process of automatic panoramic shooting, "Improper alignment. Please try again." shown on the LCD screen means that the moving angle deviates from the green baseline during camera moving which leads to shooting failure, and you need to shoot again.

 Panorama Mode can stitch 2 or 3 pictures maximum.



Select a scene using the Up/Down/Left/Right button and press the  button.

Icon	Mode Name	Icon	Mode Name
	Landscape		Sport
	Beach		Sunset
	Fireworks		Night Landscape
	Night Portrait		Party
	Children		Indoor
	Snow		ID
	Museum		Photo frame
	Panning Shot		Text
	Leaf		Glass
	Fish eye		Sketch

Landscape

For landscapes. Vivid reproduction of green and blue.

Sport

For fast-moving subjects. Capture sharp action shots without blur.

Beach

For taking good pictures in the scenes with strong sunlight.

Sunset

For sunsets. Capture subjects in strong sunlight.

Fireworks

For fireworks at night. Slower shutter speed adjusted for brilliant images.

Night Landscape

For night scenes. use of tripod is recommended.

Night Portrait

For portraits against night time scenery.

Party

For capturing more natural looking images of indoor gatherings.

Children

For kids and pets. Flash is disabled for eye protection.

Indoor

For indoors. Reduce blur and improve color accuracy.

Snow

For snow scenes. Reproduce natural and clear white scenes.

ID

For shooting certificates clearly.

Museum

For museum or flash-free area. Retain color and reduce blur.

Photo frame

For adding interesting frame effects to the photo.

Panning Shot

Produces background image blur that emphasizes motion of the main subject.

Text

For text in print or on whiteboards.

Leaf

For plants. Capture brilliant shots of greenery and blossoms.

Glass

For objects behind transparent glass.

Fish eye

For creating interesting fish eye effects that resemble photos taken with a fish eye lens.

Sketch

For taking photos with pencil sketch effect.

Portrait Mode

In Portrait Mode, the camera is set to automatically adjust camera exposure for realistic portrayal of skin tones.

1. Turn the mode dial to select Portrait Mode ().
2. Once in this mode, you can use other functions, such as image stabilization, face detection and smile detection.

Auto Program Exposure P

When selecting P (Auto Program Exposure) mode, you can adjust the combined settings of EV value, shutter speed and aperture. The display on the LCD screen is as shown in the figure below:



1. Set the mode dial at the top of the camera to P and press the  button to enter the Auto Program Exposure settings menu.
2. Press the Left/Right button to select the combination of EV, shutter speed and aperture for your scene.



3. Press the Up/Down button to select the parameter adjustment.
4. Press the  button to engage the settings and enter the shooting screen.

 Shutter speed is adjustable between 30 and 1/2000; aperture size is adjustable between 3.0 and 7.9; EV value is adjustable between +2.0 and 2.0.

 When you press the shutter half way, the aperture size and shutter value of the current detection will display in the lower, left corner of the screen.

Shutter Priority S

When selecting S (Shutter Priority) mode, you can adjust the shutter speed and EV value. Selecting a higher shutter speed will capture fast moving objects clearly. Selecting a slower shutter speed will result in motion blur of moving objects.

1. Set the mode dial to S and press the  button to enter the Shutter Priority settings menu.
2. Press the Left/Right button to select EV/shutter speed.



3. Press the Up/Down button to select the parameter adjustment.
4. Press the  button to confirm the settings and enter the shooting screen.

Aperture Priority A

When selecting A (Aperture Priority) mode, you can adjust the aperture size and EV value. Selecting a large aperture opening will emphasize the point of focus and show a blurry background and foreground. A small aperture opening will keep both the background and main object in clear focus.

1. Set the mode dial to A and press the  button to enter the Aperture Priority setting's menu.
2. Press the Left/Right button to select EV/aperture.



3. Press the Up/Down button to select the parameter adjustment.
4. Press the  button to confirm the settings and enter the shooting screen.

Manual Mode M

When selecting M (manual) mode, you can set the aperture and shutter speed manually.

1. Set the mode dial to M and press the  button to enter the Manual Mode setting's menu.
2. Press the Left/Right button to select the aperture/shutter speed.



3. Press the Up/Down button to select the parameter adjustment.
4. Press the  button to confirm the settings and enter the shooting screen.

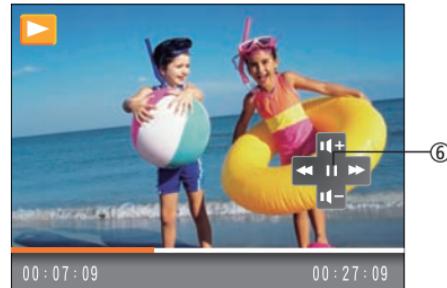
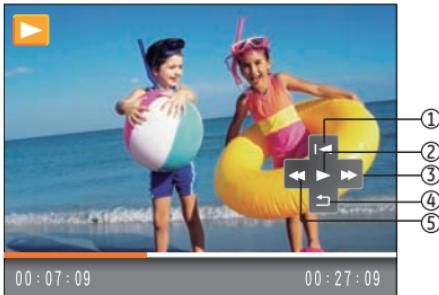
PLAYBACK

Viewing Photos and Videos

To view the captured photos and video clips on the LCD screen:

1. After pressing the  button, the last photo or video clip taken will be displayed on the LCD screen.
2. Use the Left/Right navigation buttons to scroll through the photos or video clips stored in the internal memory or on the SD memory card.
3. To play a selected video clip, press the  button to enter the movie playback mode.

During video playback, the operating instructions will appear on the screen. Press the Left/Right button, and press the  button to engage the following actions.



The operating instruction icons are as follows.

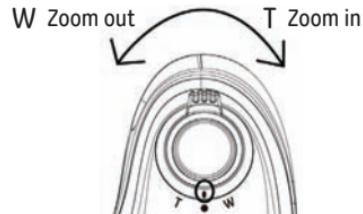
1	Return to the first frame and play	4	Return to the first frame
2	Play	5	Rewind
3	Fast Forward	6	Pause

When playing a movie, press the Up/Down arrow button to raise or lower the volume, to mute the volume press the down arrow until the mute icon  appears.



Thumbnail View

When in **Playback** mode, rotate the zoom wheel counter clockwise to the **W** position to display thumbnail images of the photos and videos on the screen.



1. Use the Zoom button to switch between 3x3, 4x4 and Date Folder thumbnail display.



2. When displaying 3x3 and 4x4, use Up/Down/Left/Right button to select a picture or video clip for viewing; when displaying the Date Folder, use Up/Down button to select the Date Folder.
3. When displaying a Date Folder, pressing the  button will enter the date information index.



4. Use Up/Down/Left/Right button to select a picture or video clip, press the  button to return to the original size.

 The Date Folder is displayed in order based on the shooting date.

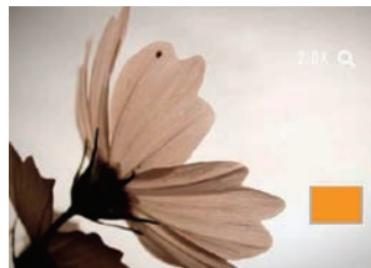
 If the  indicator appears on the LCD, then a movie file is currently being displayed.

 Press the  button to restore a preview icon to its original image size.

Using Zoom Playback (for still pictures only)

The zoom buttons can also be used during playback. This allows you to magnify photos between 2x to 8x.

1. Press the  button to switch to playback mode.
2. Use the Left/Right navigation buttons to select a photo to magnify.
3. Rotate the zoom wheel clockwise to (T) to zoom in.
4. Use the Zoom wheel to zoom in and out. The zoom magnification area frame and the frame of the whole photo will display on the screen.



5. Use the navigation buttons to pan across the image.
6. Press the  button to return the image to its original scale.

 Movie images cannot be magnified.

Using the Delete Button

In Playback Mode, you can press the Up/Delete button to delete an unwanted photo or video.

To delete pictures or videos:

1. Press the  button to switch to playback mode.
2. Select the picture or video clip you want to delete with the Left/Right button.
3. After pressing the Up/Delete button, the delete screen will display on the screen.

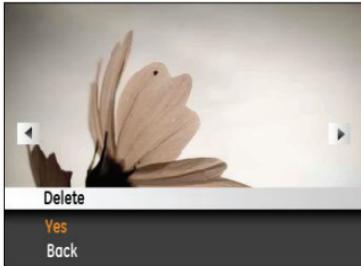
4. Select Yes or Back with the Up/Down button and press the  button for confirmation.



Erased photos/video clips cannot be recovered.



Please refer to page 55 for instructions on the Delete Menu options.



USING THE MENUS

Photo Setup Menu

Mode:  SCN P S A M SCN

In any of the above Photo Modes, press the  button to go to the Photo Setup Menu.

To adjust each setting:

1. In the Photo Setup Menu, use the Left/Right button to select the Tab (at the top of the screen) corresponding to the page containing the function you wish to change.



2. Press the Up/Down buttons to select the function.
3. Press the Right button, or the function  button to go to the sub-menu.



4. In the sub-menu press the Up/Down button to select a setting and press the function  button to confirm that setting and exit the sub-menu.
5. Use the Up/Down Left/Right button to continue to navigate the Photo Menu for additional changes, or press the menu button to exit the Photo Menu.

 After selecting a function, you can press the Up button to return to the Still Picture menu for other Photo Setup or Camera Setup pages. Or you can press the Down button several times to move to the next setup menu page.

Refer to the following pages for more details about each setting.

AF Mode (Auto-Focus Mode)

Use this setting to control the Auto-Focus mechanism while taking pictures.

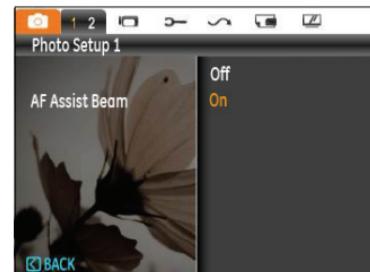


Two options are available:

- **Single-AF:** The focus frame appears in the center of the LCD screen to focus on the subject.
- **Multi-AF:** The camera automatically focuses the subject in a wide area to find the focus point.

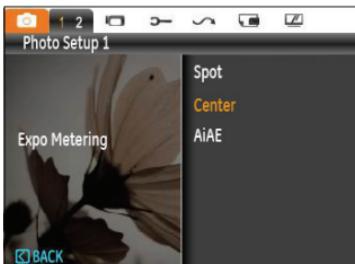
AF-Assist Beam

This option can turn on or turn off the AF assist lamp. The AF assist beam is useful for focusing in the dark or in low lighting conditions.



Expo Metering (Exposure Metering)

Use this setting to select the "target" size of the camera's field of view to be metered.



Three metering "target" sizes are available to choose from:

- Spot metering targets a small area in the center of the camera's field of view.
- Center metering targets a slightly larger area in the center of the camera's field of view.
- AiAE (Artificial Intelligence AE) targets the camera's entire field of view.

Continuous Shot

Use this setting to perform continuous shooting. After entering this mode, you can shoot multiple images by continuously holding the shutter button down.



There are five available options:

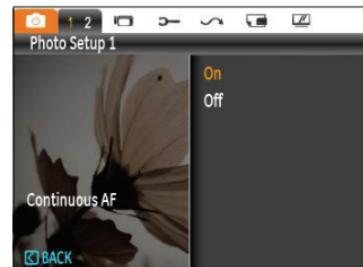
- **Off:** Turns off the Continuous Shot function.
- **Unlimited:** Press and hold down the shutter button to shoot continuously until you release the shutter button or until the memory card has run out of space.
- **3 Shots:** Capture up to 3 consecutive pictures.
- **3 Shots (Last):** Capture pictures continuously until the Shutter button is released but only the last 3 shots are recorded.
- **Time Lapse:** Automatically capture pictures at predefined intervals.



The flash is disabled in this mode in order to enable quick succession of shots.

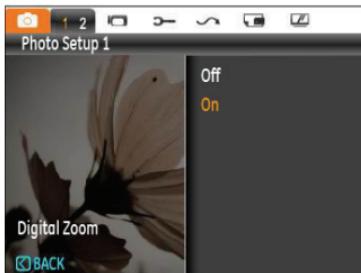
Continuous AF

With Continuous AF turned on, the camera will continually adjust focus automatically in response to any camera or subject movement.



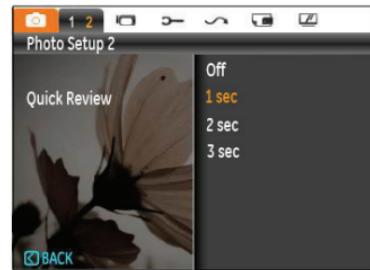
Digital Zoom

Use this setting to enable or disable the Digital Zoom function. When Digital Zoom is turned off, only the optical zoom is functional.



Quick Review

This setting refers to the brief photo review immediately after taking a picture. The picture stays on the LCD screen for an adjustable period of time.

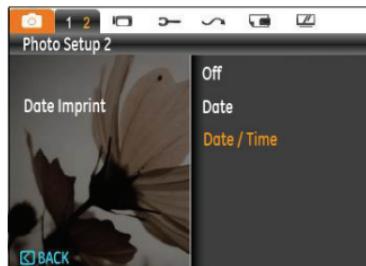


Four options are available:

- Off
- 1 sec
- 2 sec
- 3 sec

Date Imprint

Include a Date/Time stamp in the photo image.



- Off
- Date
- Date / Time

Movie Mode Menu

Mode: 

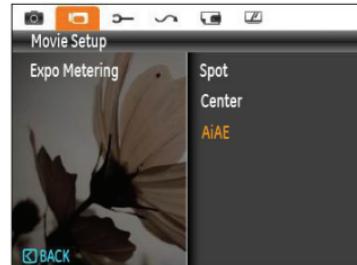
In the Movie Mode, press the  button to go to the corresponding Movie menu.

To configure each setting:

1. In the Movie menu, switch between the Movie Setup or different Camera Setup pages using the Left/Right button, select the tab with the function you want to adjust and press the Down button.



2. Press the Up/Down button to select the function and press the Right button to go to the sub-menu.

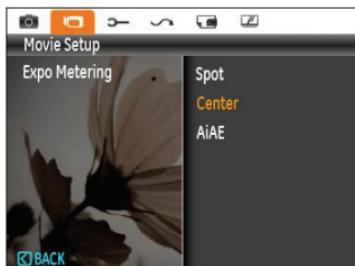


3. Press the Up/Down button to select an option or the Left or  button to return to the menu.
4. Press the  button to confirm the setting and return to the previous menu.

Refer to the following pages for more details about each setting.

Expo Metering (Exposure Metering)

Use this setting to select the "target" size of the camera's field of view to be metered.

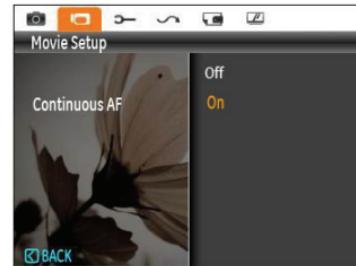


Three metering "target" sizes are available to choose from:

- Spot metering targets a small area in the center of the camera's field of view.
- Center metering targets a slightly larger area in the center of the camera's field of view.
- AiAE (Artificial Intelligence AE) targets the camera's entire field of view.

Continuous AF

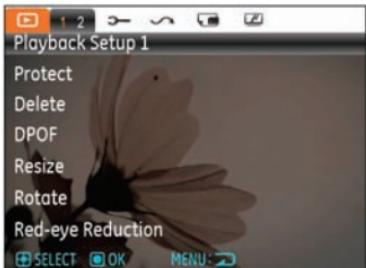
After Continuous AF is turned on, the camera will adjust focus automatically in response to any camera or subject movement.



Playback Menu

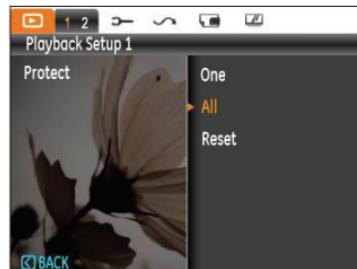
Mode : 

In Playback mode, press the  button to enter the Playback menu.



Protect

To prevent any pictures or videos from being accidentally erased, use this setting to lock one or all of the files.



The following section provides detailed instructions on the various menu options.

To protect/unprotect a picture or video:

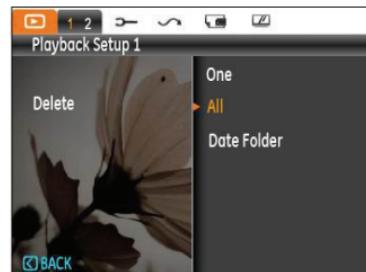
1. Use the Up/Down arrow button to select Protect, press the  or Right button to enter the submenu.
2. Use the Up/Down button and select "one" to lock a single photo or movie; or select all to protect all photos and movies stored in in-built memory card. Press the  button to confirm and enter the photo/movie protection interface.

3. Select Yes to lock displayed photos or videos, or select De-protection to unlock, then press  and select "back" to return to the playback menu.

 After selecting Reset, all previous protection settings will be cancelled.

Delete

There are three ways to delete files.



- **Delete One:**

1. In the Delete Option, select One and then press the  button.
2. Press the Left/Right button to locate the photo or video to be deleted. Press the Up/Down button and select Yes and press the  button to delete the item or select "Back" to return to the previous menu.

- **Delete All:**

1. In the Delete option, select All and then press the  button.
2. Use Up/Down button and select Yes to delete all files, or select Cancel to return to the menu.

- **Delete Date Folder:**

1. In the Delete option, press  button after selecting Date Folder.
2. Use the Up/Down button to select Date Folder to be deleted, press  to confirm, press the Up/Down button to select item (Yes: to delete the file, Cancel: to return to the menu) and then press  to confirm.



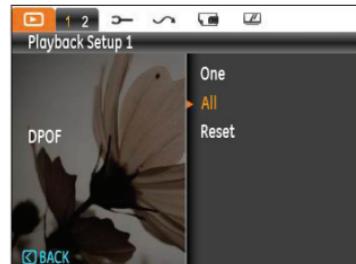
The “” indicator means a file is protected. File protection must be removed first before a file can be deleted.



Deleting files will cause DPOF settings to be reset.

DPOF (Digital Print Order Format)

The DPOF feature allows you to compile a selection of pictures that you would like to have printed, and will save your selection in the memory card so that you can simply hand your SD memory card to a photo printing service without having to individually specify which photos you would like to print.



Resize

This setting allows you to resize a picture to a specified resolution, and saves it as a new picture.

1. Select the **Resize** setting from the **Playback** menu as described previously.



2. Use the **Left/Right** navigation buttons to select a picture to resize.
3. Use the **Up/Down** navigation buttons to select a resolution (1024X768 or 640X480) to resize the image or **Back** to cancel and return to the **Playback** menu.
4. Press the **func ok** button to confirm the setting.

 Resizing an image creates a new file that contains the image in the size you select. The file with the original image also remains in the memory.

Rotate

You can use this setting to change the orientation of the picture.

1. Select the **Rotate** setting from the **Playback** menu as described previously.
2. Use the **Left/Right** navigation buttons to select a picture to rotate.
3. Use the **Up/Down** navigation buttons to select the direction of rotation or **Back** to cancel and return to the **Playback** menu.



4. Press the **func ok** button to confirm the setting.



Videos and panoramic pictures cannot be rotated.



The rotated picture file will replace the original one.

Red-Eye Reduction

Use this setting to remove red-eye effect in your photos.

1. Select the Red-Eye Reduction in the Playback menu as described previously.
2. Use the Left/Right button to select the picture that requires red eye removal.
3. Use the Up/Down navigation buttons and select Yes to fix the selected image or Back to cancel and return to the Playback menu.



4. Press the  button to confirm the setting.



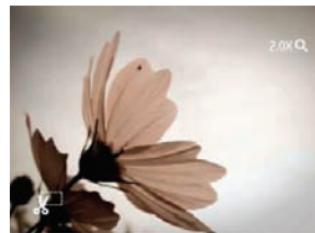
For best results, the face of the subject should be relatively large in the LCD screen, the subject should be facing the camera and the red-eye effect should be clearly visible.

Trim

The Trim setting allows you to crop photos and save them as new pictures.

To trim a picture:

1. With the camera in Playback mode press the menu button to access the Photo Menu. Then use the Left/Right button and select the "playback setup 2" tab. Use the Down button to select Trim and press the function button to enter the Trim sub-menu.
2. Using the Left/Right buttons, locate the photo that you want to crop. After the photo is displayed on the LCD screen press the Down button, select Yes and press the function  button.
3. Use the zoom buttons and navigation buttons to compose the picture.



4. Press the  button and a 'Save Changes?' prompt will appear. Select "O" to confirm the changes and save the new image, or select "X" to cancel the changes and return to the previous menu.

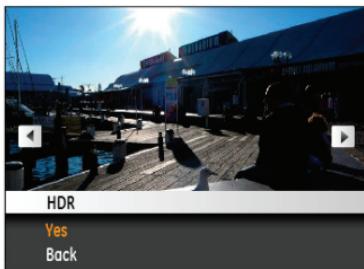


The image can not be clipped/trimmed again once it has been clipped to 640X480.

HDR-High Dynamic Range

With the HDR function, pictures that are overexposed may be corrected to optimize the highlights and lowlights captured to more accurately represent the actual scene.

1. Select HDR setting in the Playback menu as described previously.
2. Press the Left and Right button to find the picture you want to optimize and then select Confirm to perform HDR optimization or select Return to go back to Playback menu.



3. After using the HDR function, the image will be saved as a new file, and the original file is still stored in the memory.

Display Setup

Mode:

Press the button in Playback mode to enter the Display Setup menu.



Refer to the following sections for details of every setting.

Slideshow

This setting allows you to view all the stored pictures as a slideshow.

1. Select Slideshow and press the Right button to enter the Slideshow options menu.
2. Press the Up/Down button to select effect, interval or repeat, and press the  or Right button to enter and adjust settings. Press the  button to confirm settings.



3. Use the Up/Down navigation buttons to select Start to run the slideshow or Cancel to return to the Playback menu.
4. Press the  button to confirm the setting.

Wallpaper Settings

Use this setting to select your favorite picture to use as a background on the LCD screen.

1. Press the Down button to select the Wallpaper Setting menu.



2. Press Right, and the camera will enter the Wallpaper Setting interface.



Menu Wallpaper:

From the Display Setup tab use the Up/Down button to select the Wallpaper Settings option, press the  button then press Right to enter the  wallpaper sub-menu. Press Right and select either User, Nature, or Sparkling. Press function  to confirm the setting.



- User
- Nature
- Sparkling

Startup Screen:

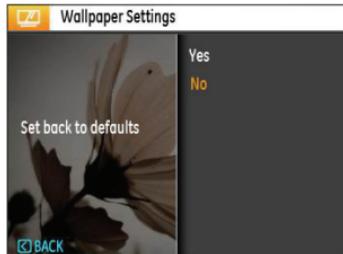
Use the UP/Down button to select the Welcome Wallpaper option, press the  or Right button to select welcome wallpaper, press Left button to return to last page, and press  to exit the menu.



- User
- GE Logo

Back To Default:

Use the Up/Down button to select the Back to Default option, press the  or Right button to select whether to take the default settings, press the Left Button to return to last page, and press  to exit the menu.



- Yes
- No

Setup Menu

Mode : **ASCN P S A M SCN**

The Setup menu for the camera is available in all modes. Each menu page can be selected by pressing the  button and switching between tabs with the Left/Right button.



To adjust the settings:

1. Select the menu tab that corresponds with the function you want to adjust and press the Down button.

2. Switch between different functions with the Up/Down button.
3. Press the Right button to enter the sub-menu.



After selecting a function option, you can press the Up button to return to the menu for other Camera Setup pages. Or you can press the Down button to switch to the next menu page.

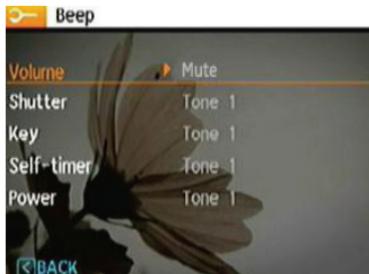
Refer to the following pages for more details about each setting.

Beep

Use this setting to adjust the volume of the beep emitted when buttons are pressed and change the tones for the Shutter button, self-timer, and power-on/power-off.

To change this setting:

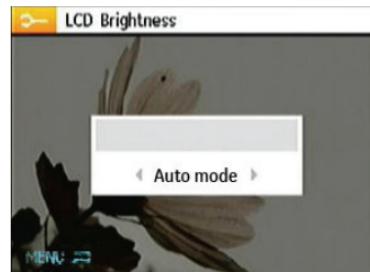
1. Select the **Beep** setting from the **Setup** menu as described previously.
2. Use the Up/Down navigation buttons to switch between volume, shutter, key, self-timer, and power tone fields.



LCD Brightness

Use this setting to adjust the brightness of your LCD screen.

1. Select the **LCD Brightness** setting from the **Setup** menu as described previously.
2. Select auto or adjust the brightness level using the Left/Right button, and press the **func ok** button to confirm the setting.

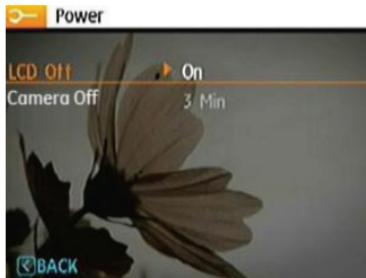


3. Press the Right button, then press the Up/Down button to adjust the volume or change the tone, and press the **func ok** button to confirm the setting.

Power Saver

This setting allows you to save power and get the maximum possible running time for your batteries. Follow the steps below to turn off the LCD screen and camera automatically after a period of inactivity.

1. Select the **Power Save** setting from the **Setup** menu as described previously.
2. Press the Up/Down button to select the power items for the screen and camera and press the Right button.



3. Press the Up/Down button to adjust the selected item. Both items have the following options:

- **LCD off:**
On, 30 sec, 1 Min, 2 Min.
- **Camera off:**
On, 3 Min, 5 Min, 10 Min.

4. Press the  button to confirm.

Language

See "Setting the Language" section on page 14.

Zone

The Zone setting is a useful function on your overseas trips. This feature enables you to display the local time on the LCD screen while you are overseas.

1. Select the **Zone** setting from the **Setup** menu as described previously. The world time screen will appear.
2. Use the Up/Down navigation buttons to switch between the hometown () and travel destination () fields.
3. Use the Left/Right navigation buttons to select a city close to the desired time zone. Then press the  button to confirm.



Date/Time

See "Setting the Date and Time" section on page 15.

File / Software

Format Memory

Please note: formatting enables you to delete all contents in the memory card and built-in memory, including protected photo and movie files.

To use this setting:

1. Select Format Memory in the File and Software menu.
2. Use the Up/Down navigation button to select Yes or No. Then press the  button to confirm the setting.



3. Select Yes, the camera will format the selected media.

 Note that when you perform the Format Memory function, it only formats the active memory. If an SD memory card is inserted, the SD memory card is active and will be formatted. If there is no SD memory card, the internal memory is active and the internal memory will be formatted. Formatting the SD memory card will not automatically format the internal memory.

Copy to Card (Copy internal memory to SD memory card)

Use this setting to copy the files stored in the internal memory to an SD memory card.

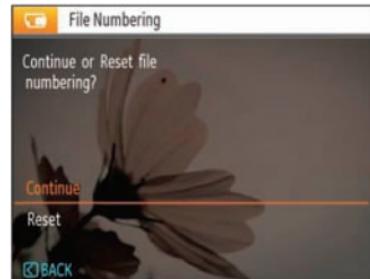
1. Select Copy to Card in the File/Software menu, then press Right.
2. Use the Up/Down navigation buttons to select Yes or No. Then press the  button to confirm the setting.



File Numbering

After you take a picture or video clip, the camera will save it in a sequential number. You can use this to reset the file numbering to 1. (When there are more than 999 images on the SD memory card, the use of this feature will have no effect).

1. Select File Numbering in the File/Software menu, then press Right.
2. Select the option with the Up/Down button and press the  button for confirmation.



Reset Settings

Use this setting to restore the camera to its original factory default settings.

1. Select Reset Settings in the File/Software menu, then press Right.
2. Use the Up/Down navigation buttons to select Yes or No. Then press the  button to confirm the setting.



FW Version (Firmware Version)

Use this setting to view the current camera firmware version.

Select FW Version in the File/Software menu, then press Right.



To update to the latest firmware version, you can go to the following website:
www.ge.com/digitalcameras and look under Support.

Connecting to a PC

Use the included USB cable and ArcSoft software (CD-ROM) supplied with your camera to copy (transfer) pictures to a computer.

Setting the USB mode

The camera's USB port can be set to connect with either a PC or a Printer, the following steps will allow you to ensure that the camera is correctly configured to connect with a PC.

1. Go to the Transmission menu, then select USB connection with the Up/Down button, and press the Right button.
2. Use the Up/Down navigation buttons to select PC.
3. Press the  button to confirm the setting.

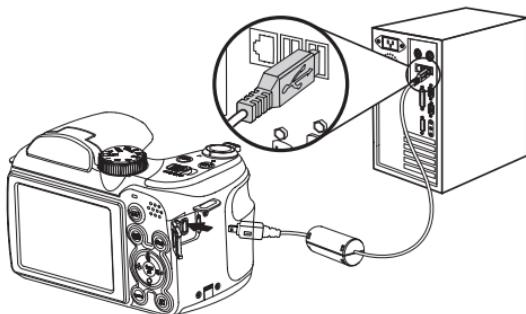


Transferring files to your PC

The computer will automatically detect the camera as a removable drive. Double-click the **My Computer** icon on the desktop to locate the removable drive and to copy folders and files in the drive to a directory on your PC as you would copy any typical folder or file.

By using the included USB cable, you can transfer the captured photos and videos to a PC. Follow the steps below to connect the camera to a PC.

1. Start a computer in which the included ArcSoft software has been installed.
2. Make sure both the camera and PC are turned on.
3. Connect one end of the supplied USB cable to the USB/AV OUT port on your camera.
4. Connect the other end of the cable to an available USB port on your PC.



5. Disconnect the camera once transfer is completed.

If the USB option is set to [PC] :

Turn the camera off and disconnect the USB cable.

If the USB option is set to [PC (PTP)] :

Remove the camera from the system as described below before turning the camera off and disconnecting the USB cable.

Windows operating system (Windows 2000, Windows XP, Windows Vista, Windows 7).

Click the [Safely remove the hardware] icon and remove the USB connector according to the appeared menu.



Macintosh

Drag the untitled icon to the Trash. ("Untitled")



Connecting to a PictBridge Compatible Printer



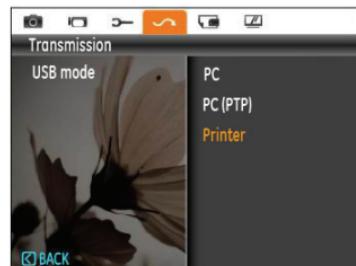
PictBridge allows printing images from an SD memory card in a digital camera directly to a printer, regardless of brand. To find out if a printer is PictBridge compatible, simply look for the PictBridge logo on the packaging or check the manual for specifications. With the PictBridge function on your camera, you can print the captured photos directly to a PictBridge compatible printer using the supplied USB cable, without the need for a PC.

Setting the USB mode

The camera's USB port can be set to connect with either a PC or a Printer, the following steps will ensure that the camera is correctly configured to connect with a Printer.

1. Go to the camera's Transmission menu and, select USB connection with the Up/Down button, then press the Right button.
2. Use the Up/Down button and select Printer.

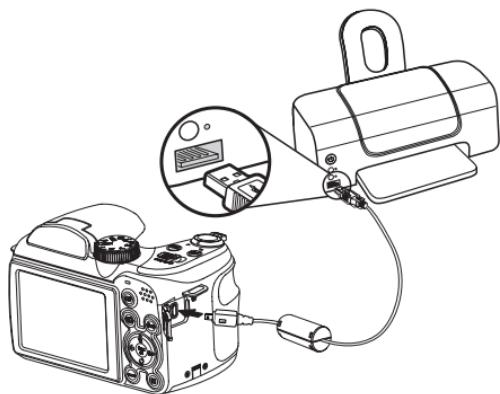
3. Press the button to confirm the setting.



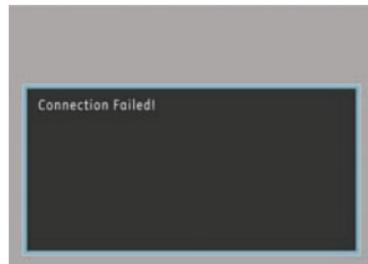
After the camera is reset, it will switch to PC mode automatically from USB mode.

Connecting the camera and printer.

1. Make sure both the camera and printer are turned on.
2. Connect one end of the supplied USB cable to the USB port on your camera.
3. Connect the other end of the cable to the USB port on the printer.



If the camera is not connected to a PictBridge compatible printer, the following error message will appear on the LCD screen.

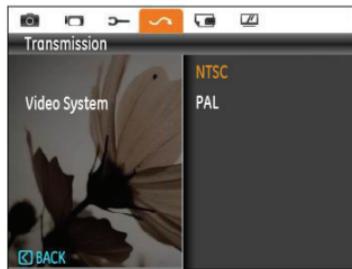


The above error message would also appear if the USB mode was set incorrectly, in which case you should disconnect the USB cable, check the USB mode settings, ensure that the Printer is turned on, and then try connecting the USB cable again.

Video System

Use this feature to switch the video system from either NTSC or PAL.

1. Select **Video System** in the Transmission menu, then press Right.
2. Use the Up/Down navigation buttons to select NTSC or PAL. Then press the  button to confirm.



The video output signal can be switched to NTSC or PAL to accommodate different regional TV standards. The appropriate setting will vary between regions.

NTSC: USA, Canada, Taiwan, Japan, etc.

PAL: Europe, Asia (excluding Taiwan), Oceania, etc.

Note: The TV output will not display properly if an incorrect video system is selected.

Using the PictBridge Menu

After setting the USB mode to Printer, the PictBridge menu will appear.



Select a menu item with the Up/Down button and press the Right button or  button to enter the item.

Refer to the following sections for more detailed information on each setting.

Print with Date

If you have set the date and time on your camera, the date and time will be recorded and saved with each photo you take.

1. Select **Print with Date** from the PictBridge menu. The following screen will appear.



2. Use the Left/Right navigation buttons to scroll through the photos.

3. Use the Up/Down navigation buttons to select the number of prints for the displayed photo.
4. Press the  button and the following screen will appear.

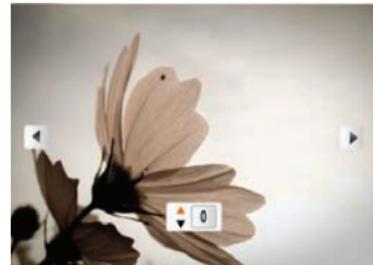


5. Select Yes to print or exit, then press  button again.

Print without Date

Use this setting to print the photos without dates on them.

1. Select Print without Date from the PictBridge menu. The following screen appears.



2. Use the Left/Right navigation buttons to scroll through the images.
3. Use the Up/Down navigation buttons to select the number of prints for the current displayed image.
4. Press the  button and the following screen will appear.



5. Select Yes to print or exit, then press the  button again.

2. Select Yes to print or exit, then press the  button again.

Print Index

You can use this setting to print an index of all the photos currently in your camera's memory.

1. Select Print index from the PictBridge menu. The following screen will appear.

Print DPOF (Digital Print Order Format)

To use DPOF printing, you must make the selection of photos for printing using the DPOF settings beforehand. See "DPOF" section on page 56.

1. Select **Print DPOF** from the **PictBridge** menu. The following screen will appear.



2. Select **Yes** to print or exit, then press the  button again.

Exit

To exit the **PictBridge** menu, select **Exit**. The "Remove USB cable" message will be displayed.



Disconnect the USB cable from the camera and printer.

Specifications



Design and specifications are subject to change without notice.

Active Image Sensor Pixels	14.14 Megapixels
Total Image Sensor Pixels	14.48 Megapixels [1/2.33"CCD]
Lens	Focal Length [35mm film equivalent]
	4.9mm (Wide) – 73.5mm (Tele) [27mm (Wide) – 405mm (Tele)]
	F number Lens Construction
	F3.0 (Wide) – F5.2 (Tele) 11 groups 14 elements
	Optical Zoom
	15x Focusing Range Normal: (Wide) 23.6in. ~ ∞ / 60cm ~ ∞ (Tele) 47.2in. ~ ∞ / 120cm ~ ∞ Macro: 1.9in. ~ ∞ / 5cm ~ ∞ (Wide Only)
Viewfinder	No
Anti-Handshake	Optical Image Stabilization
Digital Zoom	6x Digital Zoom (Combined Zoom: 90x)

Number of Recording Pixels	Still Image	14MP: 4320×3240, (3:2)12MP: 4320×2880, 8MP: 3264×2448, 5MP: 2592×1944, 3MP: 2048×1536, (16:9)2MP: 1920×1080, 0.3MP: 640×480
	Movie	VGA, QVGA
Image Compression		Best, Fine, Normal
DCF, DPOF (Ver1.1) Support		Yes
File Format	Still Image	Exif 2.2 (JPEG)
	Movie	Movie Format: MOV (Motion JPEG), Audio: G.711 [Monaural]
Shooting Modes		Auto, ASCN, P, S, A, Manual, Panorama, Movie, Portrait, Scene (Landscape, Sport, Beach, Sunset, Fireworks, Night Landscape, Night Portrait, Party, Children, Indoor, Snow, ID, Museum, Photo frame, Panning Shot, Text, Leaf, Glass, Fish eye, Sketch)
Detection Features		Face, Smile, Blink
Red-Eye Removal		Yes
HDR		Yes (Post-Processing)
Panorama Capture	Still Image	Yes (Horizontal)
	View Angle	0° ~ 170°
LCD Display		2.7inch (230k Pixels)

ISO Sensitivity	Auto, ISO80/100/200/400/800/1600(4M)/3200(4M)	
AF Method	Single AF, Multi-AF (TTL 13-point), Face-Detection, AF Assist Light (On/Off)	
Exposure Metering Method	Artificial Intelligence AE (AiAE), Center-Weighted Average, Spot (Fixed to Center of Frame), Face AE	
Exposure Control Method	Program AE (AE-Lock Available), Aperture prior AE, Shutter Prior AE	
Exposure Compensation	±2EV in 1/3 Step Increments	
Shutter Speed	1/2000 ~ 4 Seconds (Manual: 30 Seconds)	
Continuous Shooting	Yes	
Playback Modes	Single Photo, Index (9/16 Thumbnails), Slide Show, Movie, Date Zoom (Approx. 2x ~ 8x), Histogram Display	
White Balance Control	Auto (AWB), Daylight, Cloudy, Fluorescent, Fluorescent CWF, Incandescent, Manual	
Flash	Flash Method	Pop-up
	Flash Modes	Auto, Red-Eye Reduction, Forced Flash, No Flash, Slow Synchro, Red-Eye Reduction + Slow Synchro
	Shooting Range	(Wide) Approx. 11.8in. ~ 177.1in. / 0.3m ~ 4.5m (ISO800) (Tele) Approx. 19.6in. ~ 157.4in. / 0.5m ~ 4.0m (ISO800)

Recording Media	Internal Memory: Approx. 13MB
	SD/SDHC Card (Up to 16GB Support) [Nonsupport MMC Card]
Other Features	PictBridge, ExifPrint Support, Multi-Language Support (26 Languages)
Jacks	AV-OUT/USB 2.0 (Mini 8 pin USB)
Power	AA Alkaline Battery(x4) AA NiMH Battery(x4) (Not Included)
Shooting Capability (Battery Performance)	Approx. 300 Shots of AA Alkaline Battery (Based on CIPA Standards)
	Approx. 500 Shots of AA NiMH Battery (Based on CIPA Standards)
Operation Environment	Temperature: 32 ~ 104°F / 0 ~ 40°C, Humidity: 0 ~ 90%
Dimensions (W×H×D)	Approx. 4.0×2.9×2.6in. / 103.0×74.0×68.0mm (Based on CIPA Standards)
Weight	Approx. 12oz. / 350g (Body Only)
Supplied Accessories (May Differ Depending On Country or Area)	AA Alkaline Battery(x4), USB Cable
	Shoulder Strap, CD-ROM, Lens Cover
	Quick Start Guide, Feature Guide, Warranty Card

Error Messages

Messages	Explanation
Card Error	<ul style="list-style-type: none">• The SD memory card is not formatted.
Card Full	<ul style="list-style-type: none">• The SD memory card is full and cannot store any new images.
Picture Error	<ul style="list-style-type: none">• The picture was not captured correctly.• The picture is damaged.
No Picture	<ul style="list-style-type: none">• There are no images on the SD memory card or in the internal memory.
Lens Error	<ul style="list-style-type: none">• The lens is probably stuck and the camera will power off automatically.
System Error	<ul style="list-style-type: none">• Unexpected error encountered.
Write Protect	<ul style="list-style-type: none">• The write protection switch in the SD memory card is set to the "LOCKED" position.
Out of the Range	<ul style="list-style-type: none">• When pictures were taken in Panorama mode, the direction of movement was incorrect or the angle was outside the range of the internal settings.

Messages	Explanation
Card is not formatted, format?	<ul style="list-style-type: none">• Confirm whether the SD memory card should be formatted.
This image cannot be deleted	<ul style="list-style-type: none">• The picture or video you are trying to delete is protected.
Warning!! Camera recording, please wait	<ul style="list-style-type: none">• No other actions are allowed during video/audio recording.
Warning!! Battery exhausted	<ul style="list-style-type: none">• The batteries are depleted.
This file cannot be played back	<ul style="list-style-type: none">• The picture format is not recognized by the camera.
No connection	<ul style="list-style-type: none">• The camera is not connected to the printer correctly.
Print error	<ul style="list-style-type: none">• There is a problem with camera or printer.
Cannot print	<ul style="list-style-type: none">• Check to see that the printer is not out of paper or out of ink.• Check to see if the printer has a paper jam.

Troubleshooting

Problem	Possible causes	Solution
Camera does not turn on	<ul style="list-style-type: none">The batteries have been depleted.The batteries are not inserted correctly.	<ul style="list-style-type: none">Replace the dead batteries with new ones.
Camera turns off suddenly during operation	<ul style="list-style-type: none">The batteries have been depleted.	<ul style="list-style-type: none">Replace the dead batteries with new ones.
The picture is blurred	<ul style="list-style-type: none">The lens is dirty. appears when taking pictures.	<ul style="list-style-type: none">Use a soft cloth to clean the lens on your camera.Use the Image Stabilization mode.
Images and video files cannot be saved	<ul style="list-style-type: none">The SD memory card is full.	<ul style="list-style-type: none">Replace the SD memory card with a new one.Delete unwanted images.Unlock the memory card.
No picture can be taken when pressing the Shutter button	<ul style="list-style-type: none">The SD memory card is full.No available space to store the files.The mode dial is in Playback mode.	<ul style="list-style-type: none">Replace the SD memory card with a new one or format the current SD memory card.Delete unwanted images.The SD memory card is locked.

Problem	Possible causes	Solution
Images cannot print from the connected printer	<ul style="list-style-type: none"> The camera is not connected to the printer correctly. The printer is not PictBridge compatible. The printer is out of paper or out of ink. The printer paper is jammed. 	<ul style="list-style-type: none"> Check the connection between the camera and printer. Use a PictBridge compatible printer. Reload more paper in the printer. Replace the ink cartridge in the printer. Remove the jammed paper.
Write to memory card is slow	<ul style="list-style-type: none"> Using a memory card below Class 4 may result in slower recording times. 	<ul style="list-style-type: none"> Use an SDHC card and shoot after formatting the card.
Cannot write to the memory card	<ul style="list-style-type: none"> The SD memory card has been locked. The camera may experience trouble recording HD movies to SD cards with a rating lower than class 4. 	<ul style="list-style-type: none"> Remove the SD memory card and unlock it. Use an SDHC card and shoot after formatting the card.
Too many movies to process	<ul style="list-style-type: none"> The number of pictures or binders in the SD memory card exceed the specifications, so the playback of data folder can not be displayed. 	<ul style="list-style-type: none"> Delete unwanted files. Transfer the files on the SD memory card to other area.

<http://www.ge.com/digitalcameras>



imagination at work